facturer who has made a success of building and selling automobiles laid the foundation of his success in racing or endurance contests," says C. A. Emise of the Lozier Motor Company. "Even those manufacturers who have not taken any part in races during the last three or four years will be remembered by those familiar with the early history of automobiling as having been prominently dentified with road and track events.

"The Packard Gray Wolf, the Peerless Green Dragon and the Winton Bullet were speedy cars that made early racing hisin America, and their performances laid the foundation for worldwide pub-icity that has endured to this day. Looking over the field of successful foreign

from the racing game, but the effects of the results accomplished are unmistakably shown in their product.

"The thoughtless observer has frequently commented on the large expense involved in preparation for and participasele end and object of the manufacturer value would have been practically lost had he not at the same time learned from had he not at the same time learned from twenty-four hour races were participated these experiences how to build cars that in by Lozier cars, in three instances two would stand and endure. The penny wise builder confining his experiments to the shop and the miles of road surrounding the majority of these races and estabshop and the miles of road surrounding lishing new world's records it was found ishing new world's records it was found in every single instance that it would have been possible to make greater mileage and an even more creditable record had been by the purchaser after the car had been certain structural features and materials valuable motor test neid anywhere.

"Three factors are necessary to the winning of a big endurance run." says and an even more creditable record had been certain structural features and materials. delivered to him and put into hard road

"The losses entailed in replacements,

racing for any length of time also loses a in certain directions. great opportunity for gaining knowledge.

ing over the field of successful foreign builders the names of the Mercedes, Renault, Fiat, Isotta and Panhard are prominent, and the success of every one of these concerns was undoubtedly due to their participation in speed contests.

"Thousands of dollars were spent annually in preparing for road and track races and experiments with types of cars to be used for this work. A number of these manufacturers have withdrawn the success in these particular models in the early stages of their manufacture. The first appearance of Lozier cars in the early stages of their manufacture. The first appearance of Lozier cars in the early stages of their manufacture. The first appearance of Lozier cars in the early stages of their manufacture. The first appearance of Lozier cars in the early stages of their manufacture. The first appearance of Lozier cars in the early stages of their manufacture. The first appearance of Lozier cars in the early stages of their manufacture. The first appearance of Lozier cars in the early stages of their manufacture. The first appearance of Lozier cars in the early stages of their manufacture. The first appearance of Lozier cars in the early stages of their manufacture. The first appearance of Lozier cars in the early stages of their manufacture. The first appearance of Lozier cars in the early stages of their manufacture. The first appearance of Lozier cars in the early stages of their manufacture. The first appearance of Lozier cars in the early stages of their manufacture. The first appearance of Lozier cars in the early stages of their manufacture. The first appearance of Lozier cars in the early stages of their manufacture. The first appearance of Lozier cars in the early stages of their manufacture. The first appearance of Lozier cars in the early stages of their manufacture. The first appearance of Lozier cars in the early stages of their manufacture. The first appearance of Lozier cars in the early stages of their manufacture. The first appearance of Lozier cars in the early stages of around on the banked corners at full speed, was more severe than could be given a car in thousands of miles of hard

"Immediately after the race these care were shipped to the factory for a thorough tion in these contests, believing that the examination, and signs of weakness and evidences of wear were brought to light was to obtain advertising and publicity.

The manufacturer knows that a deeper lesson was learned, and that had it not been for the invaluable experience gained through these contests the advertising evidences of wear were brought to light to might our for its light tour for its light to light tour for its light to light

been different. The lesson learned from each of these contests was employed to make more nearly perfect the next model.

RACING TEACHES ITS LESSONS

MOTOR MANUFACTURERS LEARN

MOTOR MANUFACTURERS LEARN

MUCH FROM IT.

Strains on Cars So Severe That Construction Must lie of the liest—Stock Autos

Strains on Cars So Severe That Construction Must lie of the liest—Stock Autos

Therefore Show Most in Competitions

Therefore Show Most in Competitions

History of the Industry Shows it.

The manufacturer engaging in it was driven by a well known driver he was unable to hold his own against slower throbbing motor. By just pressing a disappointments at the end of the tours I chances of remaining in absolutely perform the throbbing motor. By just pressing a listle button you can sall along faster than the wind. Once experience that sensation of special of universal joint had been adopted. It had been ested in the factory and on the factory and on the terrific than the terrific on the parametry successful, but when the terrific on make his mileage on the same less thom on the parametry successful, but when the terrific on and pounding of the rough track. The manufacturer engaging in take driven by a well known driver he racing contests knows that no obscure was unable to hold his own against slower throbbing motor. By just pressing a listle button you can sall along faster than the wind. Once experience that seed on the factory and o

"The joint had commenced to heat and

great opportunity for gaining knowledge, for when a new model is produced new and untried features are introduced without the opportunity of learning in advance of the sale of this model whether or not these features will stand the actual test of hard service. No factory experimenting or no amount of laboratory work can guard against mistakes to the sapic extent that these mistakes can be avoided by knowledge gained through the strenuous double service which a stock car must endure in racing.

"In the case of the Lozier company and several other American manufactures racing has been carried on entirely with stock models for the purpose of eliminating weaknesses in these particular models in the early stages of their manufacture. The strength of the mistake which had been made a change was at once made in the construction, with the result that the improved form of universal joint remains in use to the day and to a single instance of the seize and after a few hours running it was necessary to withdraw the car from the joint had commenced to heat and seize and after a few hours running it was necessary to withdraw the car from the joint had commenced to heat and seize and after a few hours running it was necessary to withdraw the car from the joint had commenced to heat and seize and after a few hours running it was necessary to withdraw the car from the point had one may be a few hours the joint had commenced to heat and ster a few hours running it was necessary to withdraw the car from the point had one many from a few hours the joint had one many for the piont had been sold and put into service, and in the course of two, four or six months the users of every one of these cars would have been sold and put into service, and in the course of two, four or six months the users of every one of these cars would have encountered similar trouble, causing delay, annoyance and expensive replacement. But with draw the car from the track and install a new part. For a few hours the car ran well again, but trouble again devel

TO WIN A GLIDDEN TOUR. What You Need and Why Told by Chalmers

Driver. The discussion which is going on at this time regarding the A. A. A. reliability tour for 1911 finds one a very much

son," declares Bolger. "It makes no particular difference whether the leading trophy be the Glidden or some other-

good luck and good driving might bring a poor car through a short tour, but only These most strenuous contests and a good car can get through a tour of

of hard long distance racing on road or speed, but notwithstanding the fact that a few can learn to resist. It is a temp

craving to experience it again.

"Hence you must be always guarding yourself, for if you give way to the desire for speed on an endurance run you are the funith. It is the driver have a superlost. Another car may come past you and throw up dust until you learn to like it. Then is when you must be patient. You must endure the unpleasant feeling hat you are temporarily behind in the rocession for the sake of the bigs. The notice one gets for being the fact shape. It is the driver's business to make his mileage on the smallest possible consumption of his car's capital of energy. He should drive as if every rod of the road were fatal to his car's success and yet he should drive as if every rod of the road were fatal to his car's success and yet he should drive as if every rod of the road were fatal to his car's success and yet he should drive as if every rod of the road were fatal to his car's success and yet he should drive as if every rod of the road were fatal to his car's success and yet he should drive as if every rod of the road were fatal to his car's success and yet he should drive as if every rod of the road were fatal to his car's success and yet he should drive as if every rod of the road were fatal to his car's success and yet he should drive as if every rod of the road were fatal to his car's success and yet he should drive as if every rod of the road were fatal to his car's success and yet he should drive as if every rod of the road were fatal to his car's success and yet he should drive as if every rod of the road were fatal to his car's success and yet he should drive as if every road of the road were fatal to his car's success and yet he should drive as if every road of the road were fatal to his car's success and yet he should drive as if every road of the road were fatal to his car's success and yet he should drive as if every road of the road were fatal to his car's success and yet he should drive as if every road of the road were fatal to his car's success and yet he should road were fatal to h

AUTOMORILES

You must endure the unpleasant feeling that you are temporarily behind in the procession for the sake of the bigger prize you have a chance of winning later.

"The notice one gets for being the first in at the night controls is a nice thing, too and it is natural to want that publicity. When I first began driving in tours I thought myself pretty smart to get in the first began driving in tours I thought myself pretty smart to get in the first began driving in tours I that the first began driving in tours I thought myself pretty smart to get in the first began driving in tours I thought myself pretty smart to get in the first began driving in tours I thought myself pretty smart to get in the first began driving in tours I the first began driving in tours I the work when a double play to retire the opposing side. Sometimes by taking a small technical exside. Sometimes by taking a small

AUTOMOBILES

AUTOMOBILES

AUTOMOBILES

No other manufacturer can produce the car described below, sell it at the price we ask, and make a profit. This is a fact which comparison will prove. Certain it is that no maker gives as much for so little. 25,000 Overland owners know this from ex-



The plants of the Willys Overland Co. are the largest. most complete and best equipped. The Toledo plant alone covers over 30 acres. The five Overland chassis are absolutely standardized. No maker in the world works to closer limits in fineness of fit.



buyer who wants the most a given ability, the wheelbase, the frame, mon practice in Overland construcamount will buy.

to act_induce you to make an in- body design and workmanship. You'll vestigation of the claims we make for Overland Cars and compare them with others, it will have accomplished its mission.

ly, part by part. The more thorough side and out of reach. See the detail We could make them more exyour investigation, the stronger your cut to the left, showing Overland travagantly, but we cannot make them conviction will be that the Overland centre control, the approved practice better. is the car to buy.

I Your comparison will prove, first that you get in the Overland, the largest, handsomest, most luxuriously finished car, that you get a power plant not equalled for efficiency, reliability, quietness and flexibility in

transmission, brakes, rear system, size tion. of wheels and axle; steering gear. I If this advertisement will cause you Compare the finish, upholstery, the find that Overland fore door models are designed and built as fore door models, not old bodies patched up to meet the prevailing style with shift-Make your comparisons thorough- ing lever and emergency brake outin all up-to-the-minute, high-class

> Consider, and bear this point in mind always, that the Overland is a manufactured car, every part and every piece made by us, after our own designs, by our own men, in our own plants.

I You'll find too, that the Overland is a thoroughly standardized car. Each operation on every part is made by an expert workman on that particular thing, by special machinery in a special "jig," from the best material.

I Each cylinder, gear, shaft, bearing, axle, frame, transmission, body, etc., etc., is exactly like the other in the same Overland chassis. No fitting, grinding or filing is necessary or permitted in the final assembly.

Overland with the best car you I On parts like cylinder pistons, know selling at \$1,700, \$2,000 or cam shafts, etc., we work as close as one one-half thousandth part of

Unlimited facilities, enormous production of exact standardized duplicates, an ideal organization built up, controlled and directed by one man-John N. Willys-enables us to make the minimum price on the maximum of motor car efficiency.

The production of Overland Cars for 1911 will be 20,000. We make only five chassis-22 body styles, with or without fore doers. No extra charge for fore doors.



We have prepared a sheet of comparative data, tabulating specifications of Overland Cars with America's best in their class.

Write for this sheet and our cata-

| THE WILLYS-OVER | | | |
|-------------------------------|-----------|------|------------|
| Please send me Data Sheet. | Catalogue | an i | Comparativ |
| Name | | | |
| Address | | | |

WINTON 48 HORSE-POWER, 6 CYLINDER FOREDOOR TOURING CAR.

AUTOMOBILES

AUTOMOBILES

\$3500 in Cash Prizes

Annual Prizes Awarded to Employed Drivers of Winton Six Cars Increased \$1000

150

100

100

100

100

100

To the 20 chauffeurs making the best Service Records with Winton Six cars in 1911, the Winton Company will make cash awards of \$3500, as follows:

\$1000 Third prize Fourth prize Fifth prize . . Sixth prize . Eighth prize . . Tenth prize Eleventh prize . . Twelfth prize . . . Thirteenth prize . . Fourteenth prize Fifteenth prize Sixteenth prize ... Seventeenth prize . . Eighteenth prize . * Twentieth prize . .

This will be the fourth an-

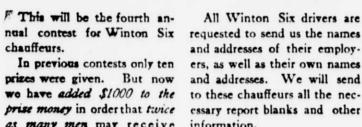
as many men may receive information. awards.

The contest will start April 1, 1911.

Absolutely no entrance fee or other expense on the part of the chauffeur or his employer will be required. If you do not drive a Winton

Six, you cannot compete for these awards. But if you are the employed driver of a Winton Six, no

matter what the model, you are entitled to participate in



It will be to the car owner's advantage to encourage his driver to enter this contest. To win an award, the chauffeur must keep his car in good condition all the time, and at a minimum repair expense to the

We shall be glad to send to any address our 1911 catalog and our Upkeep Book which contains in detail the reports that give the Winton Six the world's lowest repair expense record-43 cents per 1000 miles.

The 1911 Winton Six is now here. You are invited to see it. If you prefer, telephone us and we will bring the car to your home or office.

The Winton Motor Car. Co., Broadway at 70th St.



any car selling at less than \$2,500. Compare the motor in Model 52,

\$2,500.

The Willys-Overland Co.,

TOLEDO, OHIO

The Overland Sales Co., 1599 Broadway